PTO/SB/17 (10-04v2)

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o a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known			
FEETRAN	SMITTAL	Application Number	10/724,791		
for FY 2005  Effective 10/01/2004. Patent fees are subject to annual revision.  Applicant claims small entity status. See 37 CFR 1.27		Filing Date	December 1, 2003		
		First Named Inventor	Michael B. Korzenski		
		Examiner Name	ТВА		
		Art Unit	1765		
TOTAL AMOUNT OF PAYMENT	(\$) 130	Attorney Docket No.	ATMI-686		

METHOD OF PAYMENT (check all that apply)	Attorney Docket No.   ATIVII-060						
Deposit   Account   S0-0860	METHOD OF PAYMENT (check all that apply)  FEE CALCULATION (continued)						
Deposit   Account   S0-0860		3. A	3. ADDITIONAL FEES				
Deposit   Account   Advanced Technology Mater   Advanced Technology Mater   Deposit   Account   Name   Deposit   Account   Name   Deposit   Account   Advanced Technology Mater   Deposit   Account   Name   Deposit   Name	Order Order		Entity	Small	Entity		
Account Number Deposit Account Number The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Corest of the filling fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Pland 1003 350 2002 175 Design filling fee 1003 350 2003 275 Plant filing fee 1003 550 2003 275 Design filing fee 1003 550 2003 275 Plant filing fee 1003 2003 2003 2003 2003 2003 2003 2003						Fee Description	Eon Boid
Advanced Technology Mater The Director is authorized to: (check all that apply)  Charge fee(s) indicated below Code (s)  Charge fee(s) indicated below Code (s)  Charge fee(s) indicated below Code (s)  Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Position for reply within first month 1. Description for reply within first month 1. Description for reply within fourth month 1. Description for reply within first month 1. Description for reply within first month 1. Description for reply within fourth month 1. Description for reply within first month 1. Description for reply within fourth month 1. Description for reply within first month 1. Description f	Account   50-0860		• •		• •	Surcharge - late filing fee or oath	Fee Pald
Account Name   The Director is authorized to: (check all that apply)   Charge fee(s) indicated below   Credit any overpayments   1812 2,520   1812	Deposit Advanced Technology Mater						
The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee			400		400		
Charge any additional fee(s) or any underpayment of fee(s)  Charge fee(s) indicated below. except for the filling fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Description  Total Claims Total Claims Total Claims 1. 201* =	\					- ·	
Examiner action   Examiner a			•	ı	_,	• , ,	
Total Claims		1 .007	320	'004	320		<u> </u>
1. BASIC FILING FEE   Large Entity   Small Entity   Fee		1805	1,840*	1805	1,840*		
1. BASIC FILING FEE   1. Code (\$)   1. Cod	· · · · · · · · · · · · · · · · · · ·	1251	110	2251	55		
1. BASIC FILING FEE   Large Entity   Small Entity						• •	
Fee				1	490	Extension for reply within third month	
1001 790   2001 395	Fee Fee Fee Fee Description Fee Paid	1254	1,530	2254	765	Extension for reply within fourth month	
1401   340   2401   170   Notice of Appeal   1402   340   2402   170   Filing a brief in support of an appeal   1403   300   2403   150   Request for oral hearing   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unavoidable   1453   1,370   2453   685   Petition to revive - unavoidable   1453   1,370   2453   685   Petition to revive - unavoidable   1450   1,370   2501   685   Utility issue fee (or reissue)   1450   1,370   2501   685   Utility issue fee (or reissue)   1460   130   1460   130   Petitions to the Commissioner   130   1460   130   1460   130   Petitions to the Commissioner   130   1460   130   1460   130   Petitions to the Commissioner   130   1460   130   1460   130   Petitions to the Commissioner   130   1460   130   1460   130   1460   130   Petitions to the Commissioner   130   1460   130		1255	2,080	2255	1,040	Extension for reply within fifth month	
1003 550   2003 275   Plant filing fee   1402 340   2402 170   Filing a brief in support of an appeal   1403 300   2403 150   Request for oral hearing   1451 1,510   Petition to institute a public use proceeding   1452 110   2452 55   Petition to revive - unavoidable   1453 1,370   2453 685   Petition to revive - unintentional   1451 1,510   1451 1,510   Petition to revive - unintentional   1452 110   2452 55   Petition to revive - unintentional   1453 1,370   2453 685   Petition to revive - unintentional   1501 1,370   2501 685   Utility issue fee (or reissue)   1502 490   2502 245   Design issue fee   1503 660   2503 330   Plant issue fee   1503 660   2503 330   Plant issue fee   1460 130   1460 130   Petitions to the Commissioner   130   1460 130   Petition		1401	340	2401	170	Notice of Appeal	
1004 790   2004 395   Reissue filing fee   1403 300   2403 150   Request for oral hearing   1451 1,510   1451 1,510   Petition to institute a public use proceeding   1452 110   2452 55   Petition to revive - unavoidable   1453 1,370   2453 685   Petition to revive - unintentional   1453 1,370   2453 685   Petition to revive - unintentional   1453 1,370   2453 685   Petition to revive - unintentional   1453 1,370   2453 685   Petition to revive - unintentional   1501 1,370   2501 685   Utility issue fee (or reissue)   1502 490   2502 245   Design issue fee   1503 660   2503 330   Plant issue fee   1503 660   2503 330   Plant issue fee   1460 130   Petition to revive - unintentional   1501 1,370   2501 685   Utility issue fee (or reissue)   1502 490   2502 245   Design issue fee   1503 660   2503 330   Plant issue fee   1503 660   2503 330   Plant issue fee   1460 130   Petitions to the Commissioner   130   1807 50   Processing fee under 37 CFR 1.17(q)   1806 180   Submission of Information Disclosure Stmt   1806 180   Submission of Information Disclosure Stmt   1809 790   2809 395 Filing a submission after final rejection (37 CFR 1.129(a))   1809 790   2809 395 For each additional invention to be examined (37 CFR 1.129(b))   1801 790 2801 395   Request for Continued Examination (RCE)   1801 790   2801 395   Request for Continued Examination (RCE)   1801 790   2801 395   Request for Continued Examination (RCE)   1802   1803   1		1402	340	2402		• •	
SUBTOTAL (1) (\$)  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Independent Claims Multiple Dependent  Large Entity   Small Entity Fee Fee Code (\$)  1202 18 2202 9 Claims in excess of 20  1201 88 2201 44 Independent claims in excess of 3  1203 300 2203 150 Multiple dependent claims over original patent  1451 1,510   1451 1,510   2452   55   Petition to revive - unavoidable   1453 1,370   2453   685   Petition to revive - unintentional   1451 1,510   1451 1,510   1452   110   1452   110   1453 1,370   1453 1,370   1501 1,370   1502   490   2502   245   Design issue fee   1503   660   2503   330   Plant issue fee   1503   660   2503   330   Plant issue fee   1300   1460   130   Petitions to the Commissioner   1300   1807   50   Processing fee under 37 CFR 1.17(q)   1806   180   1806   180   Submission of Information Disclosure Stmt   1809   790   2809   395   Filling a submission after final rejection (37 CFR 1.129(a))   1801   790   2801   395   For each additional invention to be examined (37 CFR 1.129(b))   1801   790   2801   395   Request for Continued Examination (RCE)		1403	300	2403	150	Request for oral hearing	
SUBTOTAL (1) (\$)  2452 55 Petition to revive - unavoidable  1453 1,370 2453 685 Petition to revive - unintentional  1453 1,370 2501 685 Utility issue fee (or reissue)  Extra Claims	· · · · · · · · · · · · · · · · · · ·	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
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Total Claims Independent Claims Independent Claims Multiple Dependent  Large Entity   Small Entity   Fee Fee Code (\$)   C			1,370	2453	685	Petition to revive - unintentional	
Total Claims Independent Claims Multiple Dependent  Large Entity   Small Entity Fee Fee Code (\$)   Code (\$)    1202   18   2202   9   Claims in excess of 20    1201   88   2201   44   Independent claims in excess of 3    1203   300   2203   150   Multiple dependent claims over original patent    Extra Claims   below   Fee Pald    1502   490   2502   245   Design issue fee    1503   660   2503   330   Plant issue fee    1460   130   Petitions to the Commissioner    1807   50   Processing fee under 37 CFR 1.17(q)    1806   180   1806   180   Submission of Information Disclosure Stmt    8021   40   8021   40   Recording each patent assignment per property (times number of properties)    1809   790   2809   395   Filing a submission after final rejection (37 CFR 1.129(a))    1809   790   2810   395   For each additional invention to be examined (37 CFR 1.129(b))    1801   790   2801   395   Request for Continued Examination (RCE)		1501	1,370	2501	685	Utility issue fee (or reissue)	
Independent Claims Multiple Dependent  Large Entity   Small Entity   Fee   Fee   Fee   Code (\$)    1202		1502	490	2502	245	Design issue fee	
Claims Multiple Dependent  Large Entity   Small Entity Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 88 2201 44 Independent claims in excess of 3 1203 300 2203 150 Multiple dependent claims over original patent  Large Entity   Small Entity Fee Fee Fee Code (\$) 1807 50 Processing fee under 37 CFR 1.17(q)  1806 180 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1809 790 2809 395 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 790 2810 395 For each additional invention to be examined (37 CFR 1.129(b)) 1807 50 Processing fee under 37 CFR 1.17(q)  1808 180 180 180 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1809 790 2809 395 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 790 2810 395 For each additional invention to be examined (37 CFR 1.129(b)) 1809 790 2801 395 Request for Continued Examination (RCE)	Independent	1503			330	Plant issue fee	
Large Entity   Small Entity   Fee   Fee   Fee   Fee   Fee   Code (\$)    1202	Claims	1	130			Petitions to the Commissioner	130
Fee Code (\$)  1202 18  1202 9 Claims in excess of 20  1201 88  1202 150 Multiple dependent claims in excess of 3  1203 300  1204 88  1204 40  1205 300 Property (times number of properties)  1206 300 Property (times number of properties)  1207 300 Property (times number of properties)  1208 300 Property (times number of properties)  1209 300 Property (times number of properties)  1200 300 Property (times number of properties)  1201 300 Property (times number of properties)  1202 300 Property (times number of properties)  1203 300 Property (times number of properties)  1204 305 Filling a submission after final rejection (37 CFR 1.129(a))  1205 Property (times number of properties)  1207 Property (times number of properties)  1208 300 Property (times number of properties)  1209 300 Property (times number of properties)  1200 Property (times number of properties)  1200 Property (times number of properties)  1201 Property (times number of properties)  1202 Property (times number of properties)  1203 Statement Property (times number of properties)  1204 Property (times number of properties)  1205 Property (times number of properties)  1207 Property (times number of properties)  1207 Property (times number of properties)  1208 Property (times number of properties)  1209 Property (times number of property		1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
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1204 88 2204 44 ** Reissue independent claims over original patent 1801 790 2801 395 Request for Continued Examination (RCE)	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	<b></b>
over original patent 1801 790 2801 395 Request for Continued Examination (RCE)		1810	790	2810	395		
1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 1802 900 Request for expedited examination		1801	790	2801	395	Request for Continued Examination (RCE)	
and over original patent of a design application	1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		
Other fee (specify)	Oth			• · · · · · · · · · · · · · · · · · · ·			
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 130	SUBTOTAL (2) (\$) *Reduced by Basic Filing Fee Paid			ee Paid SUBTOTAL (3) (\$) 130			
SUBMITTED BY  (Complete (if applicable))							

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.

(Attorney/Agent)

45.735

Telephone 203-794-1100

11/30/2004

Date

Name (Print/Type)

Signature

Margaret Chappuis

Customer No.: 25559

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of:

Applicant:

Michael B. Korzenski, et al.

Serial No.:

10/724,791

TBA

Date Filed:

December 1, 2003

Group Art Unit: 1765

Date Flied:

Title:

Removal of MEMS Sacrificial Layers Using

Supercritical Fluid/Chemical Formulations

\_\_\_\_

**Examiner:** 

#### **EXPRESS MAIL CERTIFICATE**

It hereby is certified by the person identified below that the attached documents are being mailed by such person to the Commissioner for Patents on the date specified, in an envelope addressed to the Commissioner for Patents, Mail Stop Petition, P.O. Box 1450, Alexandria, VA 22313-1450, and Express Mailed under the provisions of 37 CFR 1.10.

~ 1. \00 ( and )

November 30, 2004

Date of Mailing

EV087758595US

Express Mail Label Number

## PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48 IN U.S. APPLICATION NO. 10/724,791

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Petition is submitted under the provisions of 37 C.F.R. §1.48 to provide a statement of facts by the original inventors and the erroneously omitted inventor in the above-referenced U.S. Patent Application, as evidence that the incorrect identification of inventorship in the Declaration and Power of Attorney for such application as originally 00000042 500860 10724791

filed in the United States Patent and Trademark Office on April 26, 2004, was the result of an inadvertent error on the part of Applicants to correctly identify Michael B. Korzenski, Thomas H. Baum, Chongying Xu, Eliodor G. Ghenciu as inventors in the above-referenced application and that such incorrect identification arose without any deceptive intention.

By an Amendment under 37 C.F.R. §1.48 submitted concurrently herewith (the "Inventorship Amendment"), Chongying Xu is added as a named inventor in the above-referenced U.S. Patent Application.

The oath or declaration as required by 37 C.F.R. § 1.63 is concurrently submitted herewith ("Declaration and Power of Attorney for Patent Application").

The written consent of assignee as required by 37 C.F.R. § 1.48(a) is concurrently submitted herewith ("Consent of Assignee to Change of Inventorship").

Please charge Deposit Account No. 50-0860 in the amount of \$130 as specified in 37 C.F.R. § 1.17(h) for this Petition under 37 C.F.R. § 1.48(a). Please charge any deficiency, and credit any excess payment, to Deposit Account No. 50-0860.

#### STATEMENT AND PETITION OF ORIGINALLY NAMED INVENTORS

- I, Michael B. Korzenski, Thomas H. Baum and Eliodor G. Ghenciu as originally named inventors in this United States Patent Application 10/724,791 (the "Application"), hereby:
- 1. petition under the provisions of 37 C.F.R. § 1.48 for correction of the inventorship in this Application, consistent with the Inventorship Amendment under 37 C.F.R. §1.48 filed concurrently herewith, on the basis that an incorrect identification of inventorship in the Declaration and Power of Attorney as originally filed in the United States Patent and Trademark Office on April 26, 2004, in this application under Response to Notice to File Missing Parts was made in error and without any deceptive intention;
- affirmatively state that the invention described and claimed in the Application at the time of its filing was the joint invention of Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu and Chongying Xu;

- 3. state that the omission of Chongying Xu, as a named co-inventor in the above-referenced U.S. Patent Application at the time of its filing, was an error which occurred without any deceptive intention by us when the application was filed, including the Declaration and Power of Attorney for such application, executed by us on the following dates: Michael B. Korzenski, December 18, 2003; Thomas H. Baum, December 17, 2003 and Eliodor G. Ghenciu, April 16, 2004;
- 4. state that an Inventorship Amendment under 37 C.F.R. § 1.48 is concurrently submitted herewith, in which the inventorship stated and of record for the Application has been amended to add Chongying Xu as a co-inventor of the subject matter described and claimed in such application;
- 5. state that the inventorship as set forth in the originally filed Declaration and Power of Attorney for the Application, erroneously excluded Chongying Xu;
- 6. state that the error in the inventorship occurred as a result of the preparation of the Declaration and Power of Attorney for the Application in the name of Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu and that upon review of the Applicant's file, it was determined that Chongying Xu should be added as a co-inventor, and in consequence of such determination, the Application has been amended to reflect Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu and Chongying Xu as inventors in all instances;
- 7. state that such inadvertent error was discovered by ATMI's Legal Department and this Petition was thereupon prepared;
- 8. state that we have executed a declaration in satisfaction of the requirements of 37 C.F.R. § 1.63 as concurrently submitted herewith ("Declaration and Power of Attorney for Patent Application"); and
- 9. state that we have duly executed this Petition as an undersigned co-inventor for the above referenced U.S. Patent Application.

# STATEMENT AND PETITION OF ERRONEOUSLY NAMED INVENTOR

I, the undersigned individual, Chongying Xu, as the newly named and joined inventor for this United States Patent Application No.10/724,791 (the "Application") hereby:

- 1. affirm, adopt and corroborate the foregoing statement of facts by the originally named inventors of the above-referenced U.S. Patent Application;
- join in this petition under the provisions of 37 C.F.R. § 1.48 for correction of the inventorship for the Application, consistent with the Amendment under 37 C.F.R. §1.48 filed concurrently herewith (the "Inventorship Amendment"), on the basis that the incorrect identification of inventorship in the Application Declaration and Power of Attorney for such application as originally filed in the United States Patent and Trademark Office on April 26, 2004, was made in error and without deceptive intention.
- 3. state that I have duly executed this Petition as an inventor of the invention described and claimed in the Application.

#### STATEMENT OF ALL INVENTORS

As a below-named inventor, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Respectfully submitted,

Michael B. Korzenski

Date

11- 79-04

Thomas H. Baum

Date

Eliodor G. Ghenciu

Date

Chongying Xu

Date

ATMI, Inc. 7 Commerce Drive Danbury, CT 06810

Telephone: (203) 739-1435 Facsimile: (203) 797-2544 Attorney File: ATMI-686

#### STATEMENT OF ALL INVENTORS

As a below-named inventor, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Respectfully submitted,	
Michael B. Korzenski	Date
Thomas H. Baum Eliodor G. Ghenciu	Date  M/Ze   200 Y  Date
Chongying Xu	

ATMI, Inc.
7 Commerce Drive
Danbury, CT 06810
Telephone: (203) 739-14

Telephone: (203) 739-1435 Facsimile: (203) 797-2544 Attorney File: ATMI-686





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United S	States Patent Application of:	)	
Applicant:	Michael B. Korzenski, et al.	)	
Serial No.:	10/724,791	) Examiner:	TBA
Date Filed:	December 1, 2003	) Group Art Unit:	1765
Title:	Removal of MEMS Sacrificial Layers Using Supercritical Fluid/Chemical Formulations	) ) ) )	

#### **EXPRESS MAIL CERTIFICATE**

It hereby is certified by the person identified below that the attached documents are being mailed by such person to the Commissioner for Patents on the date specified, in an envelope addressed to the Commissioner for Patents, Mail Stop Petition, P.O. Box 1450, Alexandria, VA 22313-1450, and Express Mailed under the

provisions of 37 CFR 1.10

November 30, 2004

Date of Mailing

EV087758595US

Express Mail Label Number

AMENDMENT SUBMITTED UNDER THE PROVISIONS OF 37 C.F.R. § 1.48(a) and 37 C.F.R. § 1.312(a)

CORRECTING THE INVENTORSHIP IN U.S. APPLICATION NO. 10/724,791

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

A review of the inventorship in the above-referenced U.S. Patent Application has revealed that the inventorship stated and of record in the present application, of Michael

B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu, should be corrected to add

Chongying Xu as co-inventor for the subject matter of the claims filed in the application.

Accordingly, please amend the inventorship in this application, by replacing the

inventorship of

"Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu"

with

-- Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu and

Chongying Xu ---

in all instances.

Appended hereto is a copy of the first page of the specification as amended herein.

The following documents are submitted herewith:

Copy of the Petition to Correct Inventorship Under 37 CFR 1.48

Declaration and Power of Attorney

In the event any further questions should arise in connection with the foregoing, the Examiner is invited to contact the undersigned at the telephone number given below.

Respectfully submitted,

Margaret Chappuis Agent for Applicant

Registration No. 45,735

ATMI, Inc. 7 Commerce Drive Danbury, CT 06810

Telephone: (203) 739-1435 Facsimile: (203) 797-2544 Attorney File: ATMI-686

2

Customer No.: 25559

## **EXHIBIT 1**

Docket Number: 686

#### UNITED STATES PATENT APPLICATION

**OF** 

MICHAEL B. KORZENSKI THOMAS H. BAUM ELIODOR G. GHENCIU CHONGYING XU

**FOR** 

REMOVAL OF MEMS SACRIFICIAL LAYERS USING SUPERCRITICAL FLUID/CHEMICAL FORMULATIONS



Customer No.: 25559

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of: Michael B. Korzenski, et al. **Applicant: TBA Examiner:** Serial No.: 10/724,791 1765 **Group Art Unit:** December 1, 2003 Date Filed: Removal of MEMS Title: Sacrificial Layers Using Supercritical Fluid/Chemical **Formulations** 

#### **EXPRESS MAIL CERTIFICATE**

It hereby is certified by the person identified below that the attached documents are being mailed by such person to the Commissioner for Patents on the date specified, in an envelope addressed to the Commissioner for Patents, Washington, Mail Stop Petition, P.O. Box 1450, Alexandria, VA 22313-1450, and Express Mailed under the

provisions of 37 CFR 1.10.

Lee Ann QiLello

November 30, 2004

Date of Mailing

EV087758595US

Express Mail Label Number

### CONSENT OF ASSIGNEE TO CHANGE OF INVENTORSHIP IN U.S. PATENT APPLICATION NO. 10/724,791

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Advanced Technology Materials, Inc., a Delaware Corporation having offices at 7 Commerce Drive, Danbury, Connecticut 06810, as an assignee of the entire interest of the above-captioned U.S. Patent

Customer No.: 25559

Application No. 10/724,791 filed December 1, 2003, by an Assignment executed on November 25, 2003 by Michael B. Korzenski; on November 25, 2003 by Thomas H. Baum, on November 25, 2003 by Chongying Xu and on December 22, 2003 by Eliodor G. Ghenciu, (a true and exact copy of which Assignment is enclosed in Exhibit 1 hereof), hereby consents to the correction of inventorship from the naming of Michael B. Korzenski, Thomas H. Baum, Eliodor G. Ghenciu, to the naming of Michael B. Korzenski, Thomas H. Baum, Chongying Xu, and Eliodor G. Ghenciu.

A true and exact copy of the Assignment document attached in Exhibit 1 has been reviewed by assignee in compliance with the requirements of 37 CFR §3.73. Based on this review, such assignee hereby certifies that to the best of assignee's knowledge and belief, title to United States Patent Application 10/724,791 is in the assignee seeking to take this action.

Respectfully submitted,

ADVANCED TECHNOLOGY MATERIALS, INC.

By: Cynthia L. Shereda, Vice President, Secretary

ATMI, Inc.
7 Commerce Drive
Danbury, CT 06810
Phone: (203) 739-1435

Facsimile: (203) 797-2544 ATMI File: ATMI-686

Customer No.: 25559

## **EXHIBIT 1**

#### **ASSIGNMENT**

We, MICHAEL B. KORZENSKI, THOMAS H. BAUM, CHONGYING XU and ELIODOR G. GHENCIU, have made an invention the specification of which is described in U.S. Patent Application filed herewith in the U.S. Patent and Trademark Office, entitled:

### "REMOVAL OF MEMS SACRIFICIAL LAYERS USING SUPERCRITICAL CARBON DIOXIDE/CHEMICAL FORMULATIONS"

We hereby assign to Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, CT 06810, all of our ownership and rights in:

(i) the invention and U.S. Patent Application;

- (ii) continuing, divisional and continuation-in-part applications based on and claiming priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
- (iv) corresponding foreign patent applications and patents.

We are making this assignment based on our employment relationship with Advanced Technology Materials, Inc.

We request the Commissioner of Patents and Trademarks of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

#### Advanced Technology Materials, Inc.

as owner of the invention and aforementioned patent rights.

We agree to execute any other legal documents that may be required to effectuate this Assignment.

We agree that we will promptly communicate to Advanced Technology Materials, Inc., all facts that come to our attention affecting the invention or patent rights.

We agree that we will testify in any interference or litigation involving the invention or patent rights.

We declare that we have not done anything in conflict with this Assignment.

MICHAEL B. KORZENSKI

DATE

Docket No.: 686

Thomas H Baum	11-25-03
THÓMAS H. BAUM	DATE
CHONGYING XU	-2f-03 DATE
FLIODOR C. CHENCILI	DATE

Docket No.: 686

#### **ASSIGNMENT**

We, MICHAEL B. KORZENSKI, THOMAS H. BAUM, CHONGYING XU and ELIODOR G. GHENCIU, have made an invention the specification of which is described in U.S. Patent Application filed herewith in the U.S. Patent and Trademark Office, entitled:

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(i) the invention and U.S. Patent Application;

- 1

- (ii) continuing, divisional and continuation-in-part applications based on and claiming priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
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We declare that we have not done anything in conflict with this Assignment.

MICHAEL B.	KORZENSKI	DATE

THOMAS H. BAUM	DATE
CHONGYING XU	DATE
ELIODOR G. GHENCIU	(2/2 y/ 2003 DATE

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Weshington, D.C. 20231



MAY 03, 2004

PTAS

WILLIAM F. RYANN, ESQ.
ADVANCED TECHNOLOGY MATERIALS, INC.
7 COMMERCE DR.
DANBURY, CT 06810

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/26/2004

REEL/FRAME: 014558/0475

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KORZENSKI, MICHAEL B.

DOC DATE: 11/25/2003

ASSIGNOR:

BAUM, THOMAS H.

DOC DATE: 11/25/2003

ASSIGNOR:

XU, CHONGYING

DOC DATE: 11/25/2003

ASSIGNOR:

GHENCIU, ELIODOR G.

DOC DATE: 12/22/2003

ASSIGNEE:

ADVANCED TECHNOLOGY MATERIALS,

INC.

7 COMMERCE DRIVE

DANBURY, CONNECTICUT 06810

OETH POOTOMERENTO

· ·

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SERIAL NUMBER: 10724791

PATENT NUMBER:

FILING DATE: 12/01/2003

ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Date

- · MOV 3 0 2004 Docket Number RECORDATION FORM COVER SHEET ATMI-686 TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS: Please record the attached original document or copy thereof. 1. Name of conveying party (ies): 2. Name and address of receiving party: Michael B. Korzenski Advanced Technology Materials, Inc. Thomas H. Baum 7 Commerce Drive Chongying Xu Danbury, Connecticut 06810 Eliodor G. Ghenoiu Additional name(s) of conveying Additional name(s) and addresses party (ies) attached? □ Yes ☒ No attached? ☐ Yes ☒ No 3. Nature of conveyance: ⊠ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: 11/25/2003, 11/25/2003, 11/25/2003, 12/22/2003 4. Application number(s) or patent number(s): U.S. Serial No. 10/724,791 If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? 

Yes 

No 5. Name and address of party to whom 7. Total Fee (37 CFR 3.41): \$ 40 correspondence concerning document should be mailed: Enclosed William F. Ryann, Esq. Authorized to be charged to deposit Advanced Technology Materials, Inc. account 7 Commerce Drive Danbury, Connecticut 06810 Telephone: 203-794-1100 6. Total number of applications and patents 8. Deposit account number: involved: 1 50-0860 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is trate and correct and any attached copy is a true copy.

Margaret Chappuis

Reg. No. 45, 735